Amendments to the Claims

C,	Claim 1 (Previously Amended): Hybrid maize seed designated 39K40, representative seed of said hybrid 39K40 having been deposited under ATCC accession number				
	Claim 2 (Original): A maize plant, or its parts, produced by the seed of claim 1.				
	Claim 3 (Original): Pollen of the plant of claim 2.				
	Claim 4 (Original): An ovule of the plant of claim 2.				
	Claim 5 (Currently Amended): A tissue culture of regenerable cells or protoplasts of a hybrid				
90,	maize plant 39K40, representative seed of said hybrid maize plant 39K40 having been deposited				
	under ATCC accession number, wherein the tissue regenerates plants capable of				
	expressing all the morphological and physiological characteristics of said hybrid maize plant 39K40.				
	Claim 6 (Previously Amended). The tissue culture according to claim 5, the cells or protoplasts				
	of said cells having been isolated from a tissue selected from the group consisting of leaves,				
	pollen, embryos, roots, root tips, anthers, silks, flowers, kernels, ears, cobs, husks, and stalks.				
	Claim 7 (Previously amended): A marke plant, or its parts, regenerated from the tissue culture of				
	claim 5 and capable of expressing all the morphological and physiological characteristics of				
	hybrid maize plant 39K40, representative seed having been deposited under ATCC accession				
	number				
5	Claim 8 (Currently Amended): The maize plant of claim 2 wherein said maize plant further				
52	comprises a genetic factor conferring male sterility.				
	Claims 9 - 49 (Canceled)				

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C	Claim 20 (Original): A maize plant, or its parts, having all of the morphological and				
	physiological characteristics of the plant of claim 2.				
	Claims 21-32 (Canceled)				
	Claim 33 (Currently Amended): A method of making a hybrid maize plant designated				
3	39K40 comprising:				
	crossing an inbred maize plant GE535658, deposited aswith a second inbred maize				
	plant GE\$16223, deposited as; and				
3	developing from the cross a said hybrid maize plant representative seed of which having been				
	deposited under ATCC Accession Number				
	Claims 34 - 40 (Canceled)				
	Claim 41 (New): A method of developing a transgenic 39K40 maize plant, comprising				
	transforming at least one of the inbred parents of 39K40 with a transgene, wherein a				
	representative sample of said inbred parents have been deposited asfor GE535658 or				
	for GE516223, and crossing said inbred parents to produce a transgenic 39K40 hybrid				
	maize plant.				
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	Claim 42 (New): The maize plant of claim 41 wherein said transgene is a transgene selected				
	from the group consisting of: a plant disease resistance gene, an insect resistance gene, an				
	herbicide resistance gene, a male sterility gene, and a value added trait gene.				
	Series, and a state gener				
	Claim 43 (New): The maize plant of claim 42 wherein said transgene is an insect resistance				
	gene encoding a Bacillus thuringlensis polypeptide, a derivative thereof or a synthetic				
	polypeptide modeled thereto.				
	Claim 44 (New): The maize plant of claim 42 wherein said transgene is an herbicide				

resistance transgene selected from the group consisting of: a transgene conferring glyphosate



resistance, a transgene conferring glufosinate resistance, a transgene conferring imidazolinone resistance and a transgene conferring sulfonylurea resistance.

Claim	45 (New):	A method of developing a backcross conversion 3	9K40 hybrid maize
plant, c	mprising ba	ckcrossing a gene into at least one of the inbred pare	nts of 39K40, wherein a
represe	entative sampl	le of said inbred parents have been deposited as	for GE535658 or
	for GE510	6223, and crossing said inbred parents to produce a t	ransgenic 39K40 hybrid
maize	plant.		

Claim 46 (New): A method of making an inbred maize plant comprising: obtaining the plant produced by the method of claim 45; and applying double haploid methods to obtain a plant that is homozygous at essentially every locus, said plant having received all of its alleles from maize hybrid plant 39K40.

Claim 47 (New): The maize plant of claim 45 wherein said gene is a transgene selected from the group consisting of: a plant disease resistance gene, an insect resistance gene, an herbicide resistance gene, a male sterility gene, and a value added trait gene.

Claim 48 (New): The maize plant of claim 47 wherein said transgene is an insect resistance gene encoding a *Bacillus thuringiensis* polypeptide, a derivative thereof or a synthetic polypeptide modeled thereto.

Claim 49 (New): The maize plant of claim 47 wherein said transgene is an herbicide resistance transgene selected from the group consisting of: a transgene conferring glyphosate resistance, a transgene conferring glufosinate resistance, a transgene conferring imidazolinone resistance and a transgene conferring sulfonylurea resistance.

Claim 50 (New): A maize plant, or parts thereof, having all the morphological and physiological characteristics of hybrid maize plant 39K40 representative seed of said hybrid maize plant having been deposited under ATCC Accession No. _____.





Claim 51 (New): A method for producing a 39K40 progeny maize plant, comprising:

- (a) crossing the maize plant or plant parts of claim 2, with a second maize plant to yield progeny maize seed; and
- (b) growing said progeny maize seed, under plant growth conditions, to yield said 39K40 progeny maize plant.

Claim 52 (New): A method of making a hybrid maize seed 39K40 comprising: crossing an inbred maize plant GE535658 and GE516223, deposited as ______and _____, respectively to produce hybrid maize seed 39K40.



Claim 53 (New): A process for isolating an inbred parent of hybrid maize plant 39K40, representative seed of which have been deposited under ATCC Accession No. ________, comprising:

- (a) planting a collection of seed comprising seed of hybrid maize plant 39K40, said collection also comprising seed of said inbred parent;
- (b) growing plants from said collection of seed;
- (c) identifying an inbred parent plant; and
- (d) selecting said inbred parent plant.

Claim 54 (New): A method of making an inbred maize plant comprising:
obtaining the plant of claim 2; and
applying double haploid methods to obtain a plant that is homozygous at essentially every locus,
said plant having received all of its alleles from maize hybrid plant 39K40.

Claim 55 (New): The method of claim 54 wherein said inbred line comprises at least about 75% genetic identity to a line selected from the group consisting of GE535658 and GE516223, deposited as _____ and _____, respectively.

Claim 56 (New): A method for producing a 39K40 progeny maize plant comprising:

- (a) growing the plant of claim 2, and obtaining self or sib pollinated seed therefrom; and
- (b) producing successive filial generations to obtain a 39K40 progeny maize plant.

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Claim 57 (New): A maize plant produced by the method of claim 56, said maize plant having received all of its alleles from hybrid maize plant 39K40.

Claim 58 (New): A method for producing a population of 39K40 progeny inbred maize plants comprising:

- (a) growing the plant of claim 2 and obtaining self or sib pollinated seed therefrom; and
- (b) producing successive filial generations to obtain a population of 39K40 progeny inbred maize plants.

Claim 59 (New): A maize plant from the inbred population of maize plants produced by claim 67, said plant having received all of its alleles from hybrid maize plant 39K40.

Claim 60 (New): A method for developing a maize plant in a maize plant breeding program comprising:
obtaining the maize plant, or its parts, of claim 2; and
utilizing said plant or parts as a source of breeding material.

Claim 61 (New): An 39K40 progeny maize plant, or parts thereof, wherein at least one ancestor of said 39K40 progeny maize plant is the maize plant of claim 2, and wherein the pedigree of said 39K40 progeny maize plant has 2 or less breeding crosses to a plant other than 39K40.

